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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**OFFICIAL**

In re Applicant:	James S. Almaguer	§ Art Unit:	2862
Serial No.:	10/028,835	§	
Filed:	December 20, 2001	§ Examiner:	Walter E. Snow
Title:	Downhole Magnetic-Field Based Feature Detector	§ Docket No.	22.1414 (SHL.0128US)

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

SUPPLEMENTAL REPLY TO OFFICE ACTION DATED NOVEMBER 12, 2003

Dear Sir:

Please cancel claims 9, 10, 13, 14, 20, 21 and 33-36 without prejudice and amend the claims in accordance with the following CLAIM AMENDMENTS section; and consider the comments in the following REMARKS section.

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Date of Deposit:	April 1, 2004
I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. 703-872-9306) on the date indicated above.	